

AMENDMENT TO THE CLAIMS

The following listing of the claims replaces all prior versions and listings of the claims in relation to the present patent application.

Listing of the Claims:

1. -33. (canceled)

34. (original) A power and data distribution system, comprising:

a data signal source configured to provide data signals in accordance with a desired data communications protocol;

a device powered by at least one phase of three-phase power and configured to receive data signals; and

a cable electrically coupled between the data signal source and the device, the cable comprising:

first and second power conductors configured to conduct two phases of three-phase power, and a third conductor configured to carry a third phase of three-phase power and data signals from the data signal source; and

a neutral conductor configured to return power and to carry data signals from the data signal source in cooperation with the third conductor;

wherein the cable is configured to facilitate transmission of both data signals and the third phase of power to the device via the third and neutral conductors upon interruption of power to the first and second conductors.

35. (original) The system as recited in claim 34, further comprising a switch configured to interrupt the first and second power conductors.

36. (original) The system as recited in claim 34, further comprising power supply circuitry configured to convert the third phase of power to a second power level.

37. (original) The system as recited in claim 36, wherein the second power level comprises a direct current.

38. (original) The system as recited in claim 34, further comprising override circuitry configured to produce data signals in accordance with an override protocol in addition to the data communications protocol.

39. (original) The system as recited in claim 34, further comprising remote control circuitry configured to selectably interrupt the first and second power conductors.

40. (original) A power and data distribution system, comprising:
a data signal source configured to provide data signals in accordance with a desired data communications protocol;
a device powered by at least one phase of three-phase power and configured to receive data signals from the data signal source; and
a cable electrically coupled between the data signal source and the device, the cable comprising:
a plurality of primary power conductors configured to carry three-phase power;
secondary power conductors configured to conduct power and data signals from the data signal source to the device;
wherein the cable is configured to maintain the data signals and power to the device via the secondary power conductors upon interruption of power to the plurality of primary power conductors.

41. (original) The power and data distribution system as recited in claim 40, wherein one of the secondary power conductors comprises a neutral conductor.

42. (original) The system as recited in claim 40, further comprising override circuitry, the override circuitry configured to produce signals in accordance with an override protocol in addition to the data transmission protocol.

43. (original) The claim as recited in claim 40, further comprising power supply circuitry adapted to convert at least one phase of three-phase power to a control power.

44. (original) The claim as recited in claim 43, wherein the control power comprises a direct current.